

FIG. 1

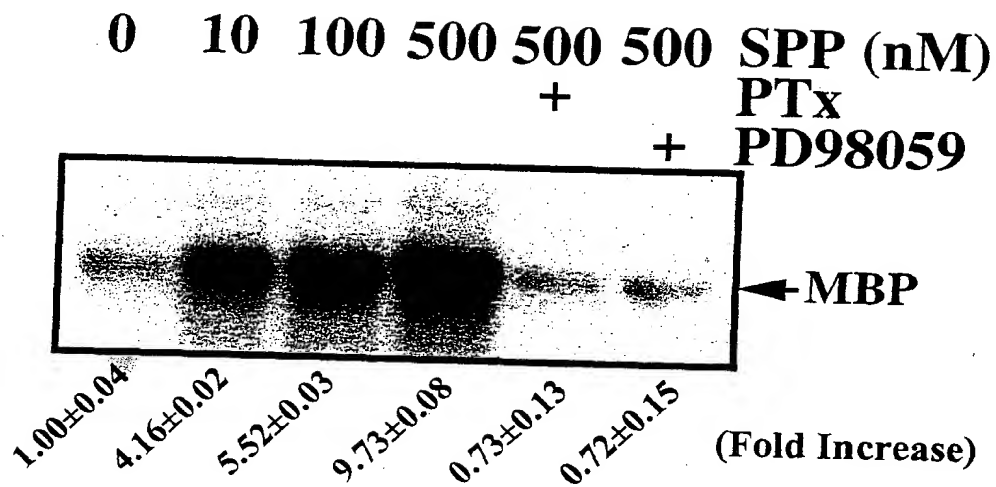


FIG. 3

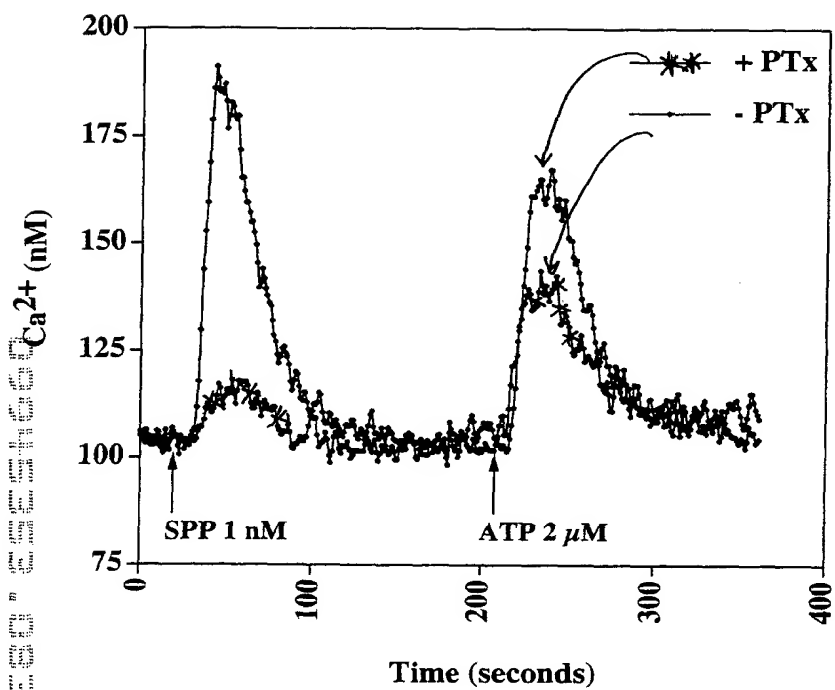


FIG. 2A

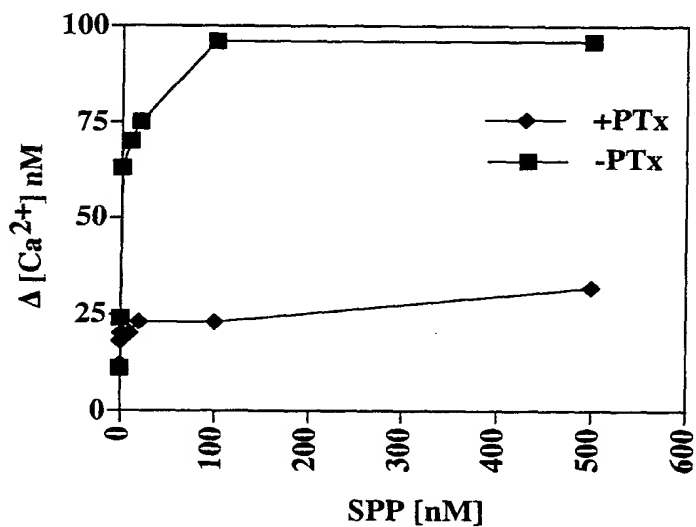


FIG. 2B

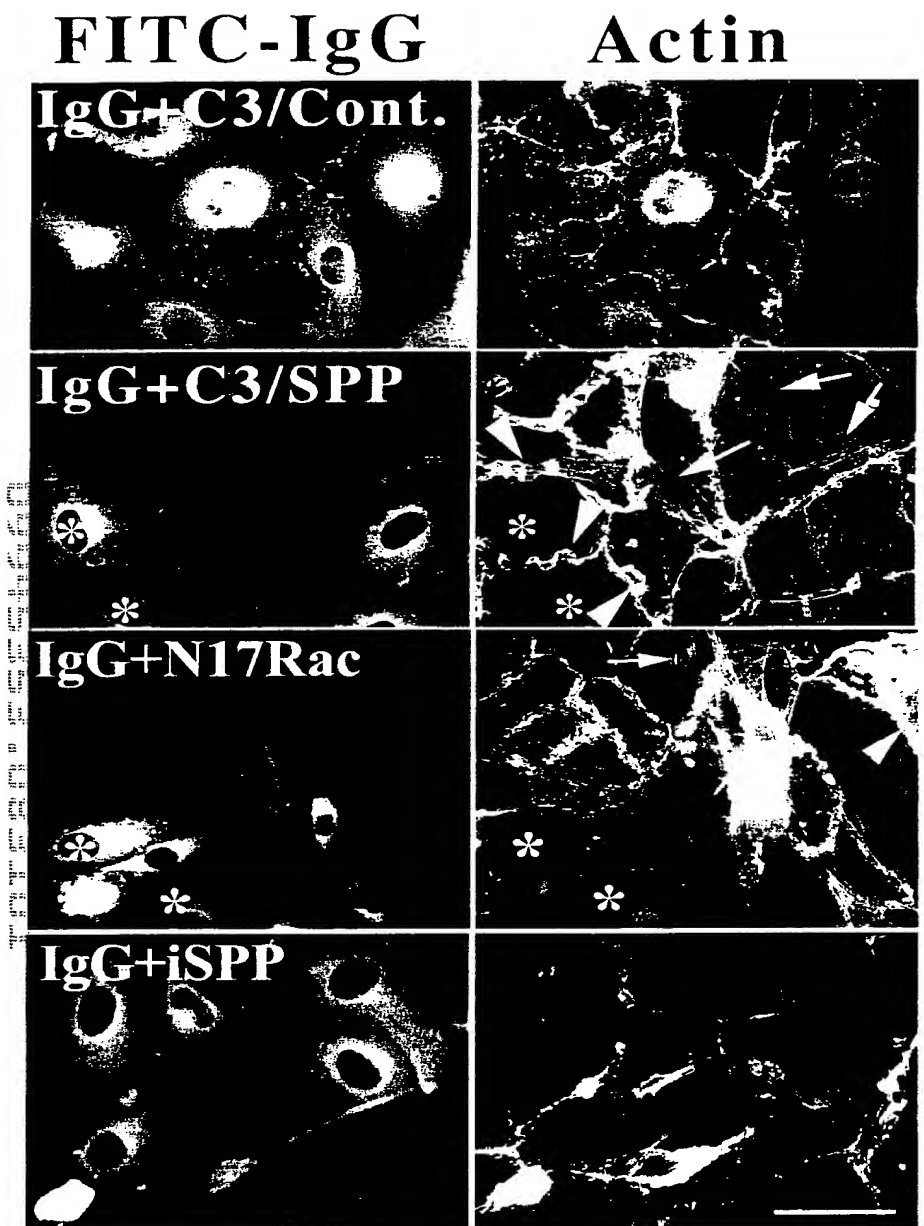


FIG. 4

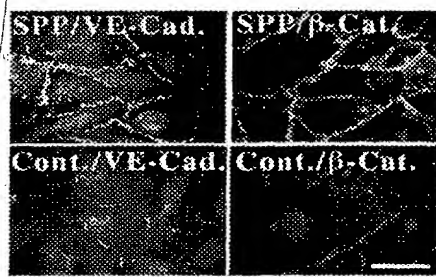


FIG. 5

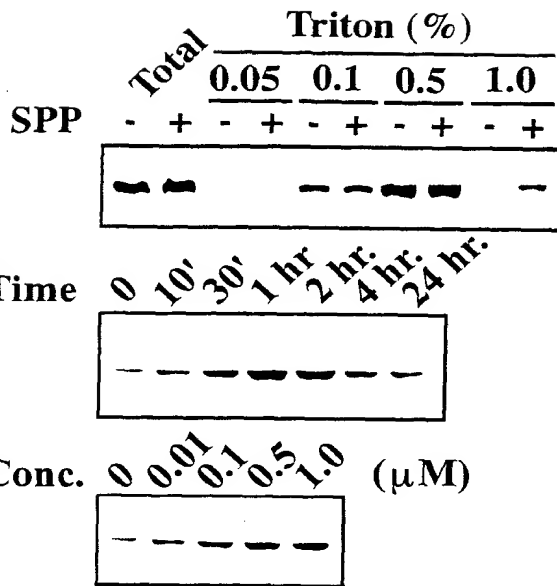


FIG. 6

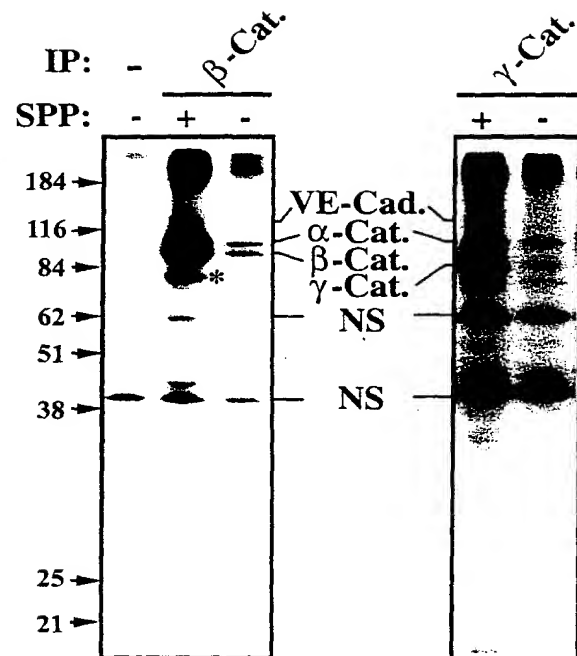


FIG. 7

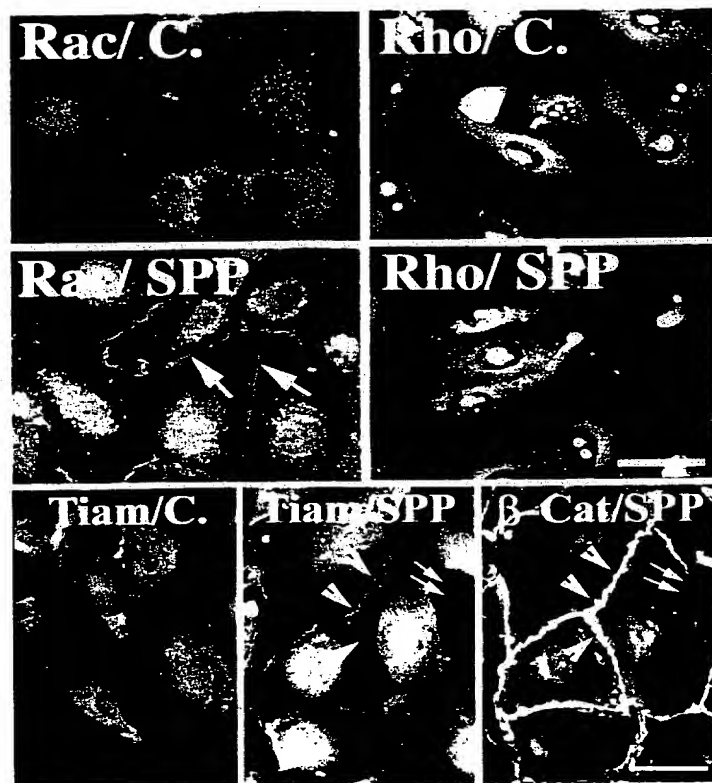


FIG. 8A

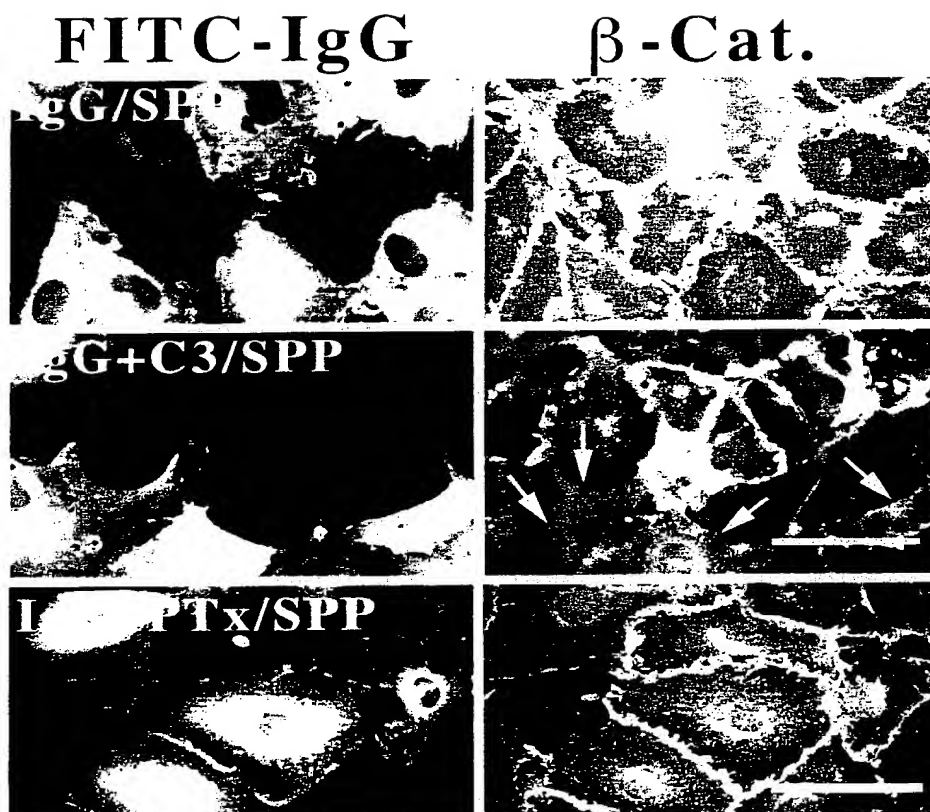


FIG. 8C

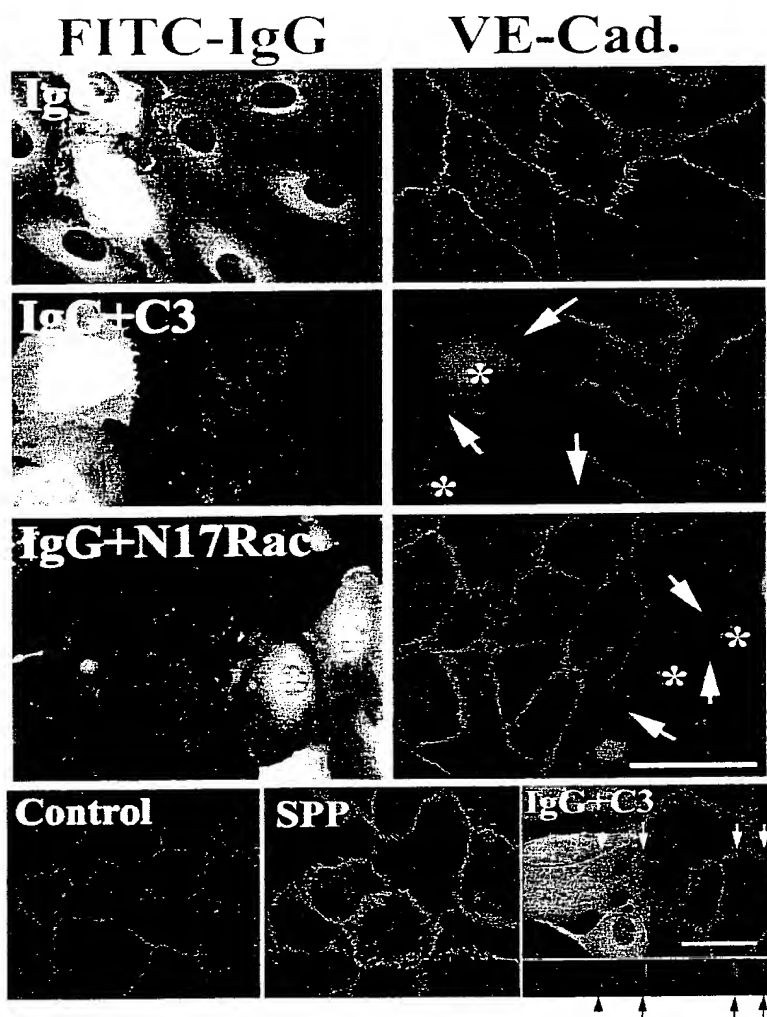


FIG. 8 B



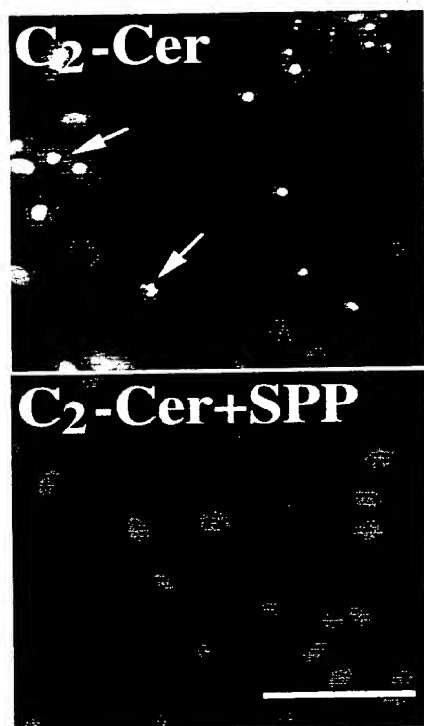


FIG. 10A

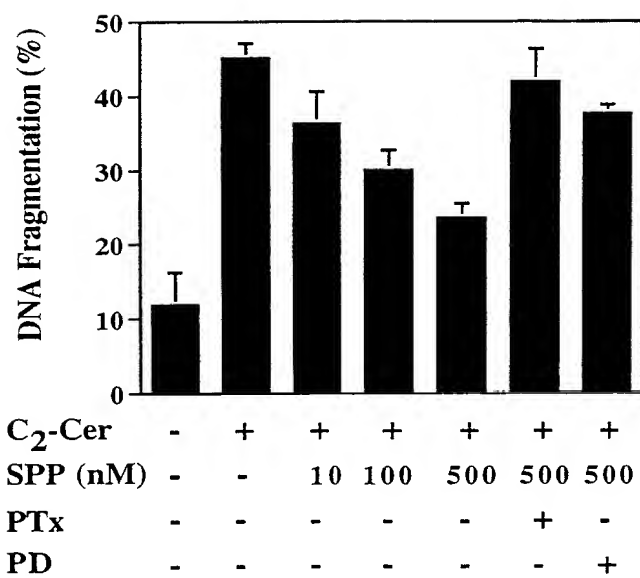


FIG. 10B



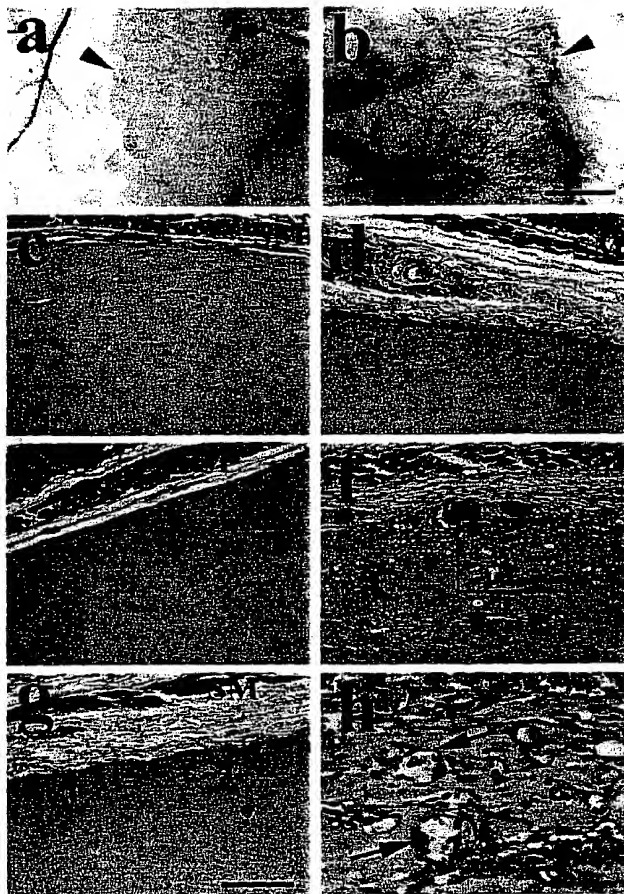


FIG. 11A

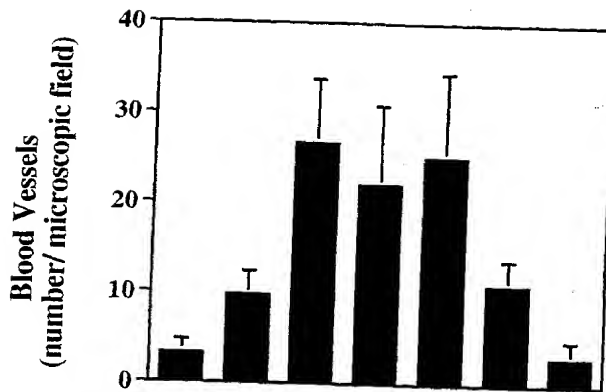


FIG. 11B

FGF	-	+	+	+	+	+	-
SPP (μM)	-	-	0.5	1	5	-	5
SPH (μM)	-	-	-	-	-	5	-

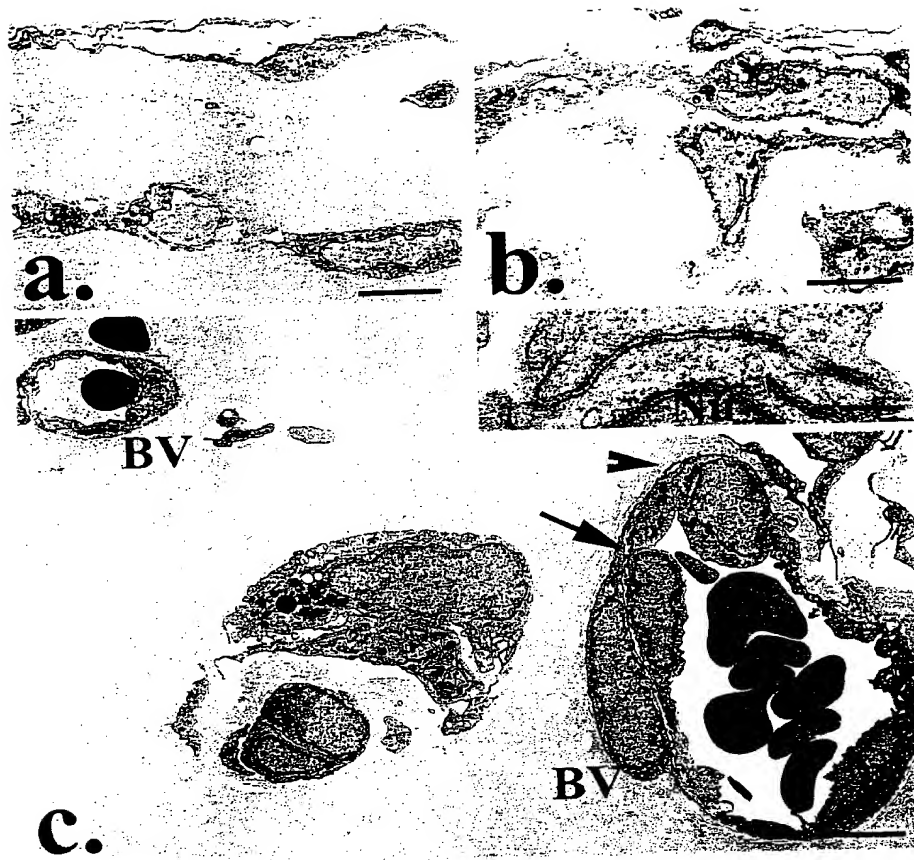


FIG. 11C

FIG. 12

SEQ ID NO:1	5'-GAC GCT GGT GGG CCC CAT-3'	(antisense EDG-1)
SEQ ID NO:2	5'-GCT GGT GGG CCC CAT GGT-3'	(antisense EDG-1)
SEQ ID NO:3	5'-ATG GGG CCC ACC AGC GTC-3'	(sense EDG-1)
SEQ ID NO:4	5'-TGA TCC TTG GCG GGG CCG-3'	(scrambled EDG-1)
SEQ ID NO:5	5'-CGG GAG GGC AGT TGC CAT-3'	(antisense EDG-3)
SEQ ID NO:6	5'-ATG GCA ACT GCC CTC CCG-3'	(sense EDG-3)
SEQ ID NO:7	5'-ATC CGT CAA GCG GGG GTG-3'	(scrambled EDG-3)
SEQ ID NO:8	5'-CGA GTA CAA GCT GCC CAT-3'	(antisense EDG-5)

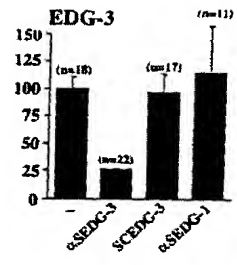
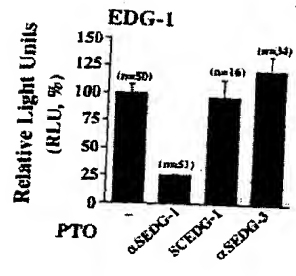


FIG. 13

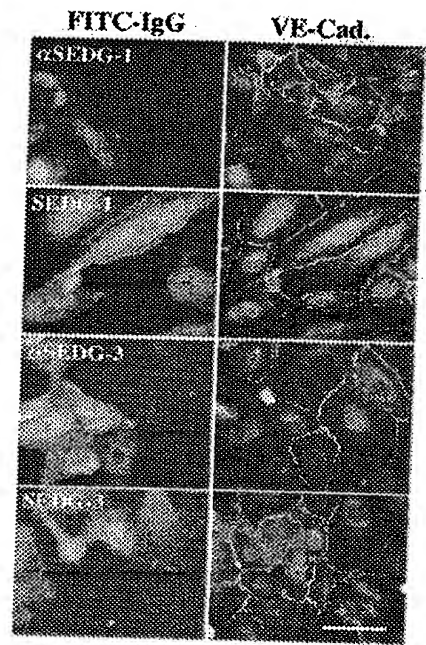


FIG. 14

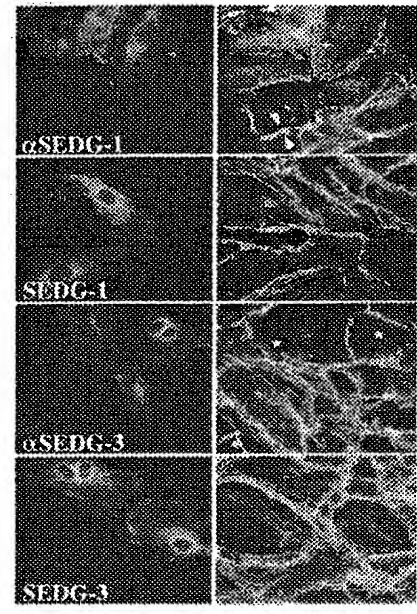


FIG. 15

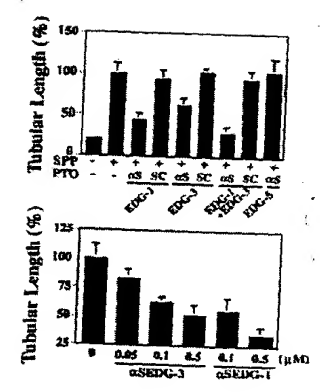


FIG. 16

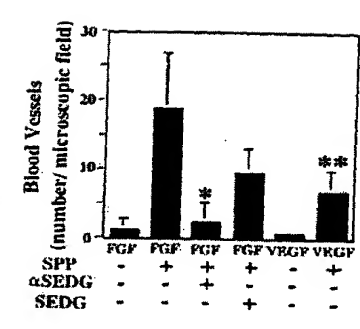


FIG. 17

Fig. 18

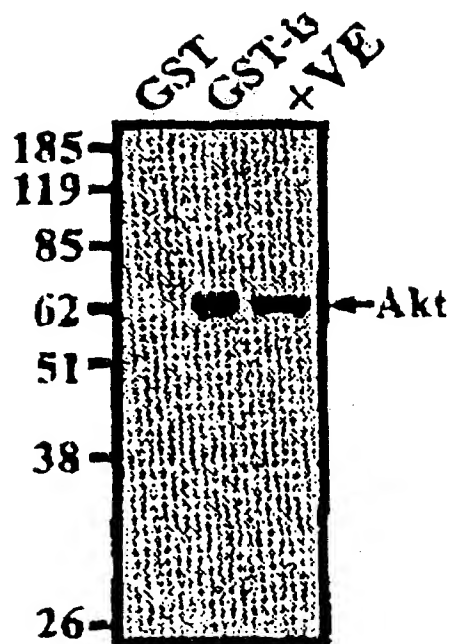


Fig. 19

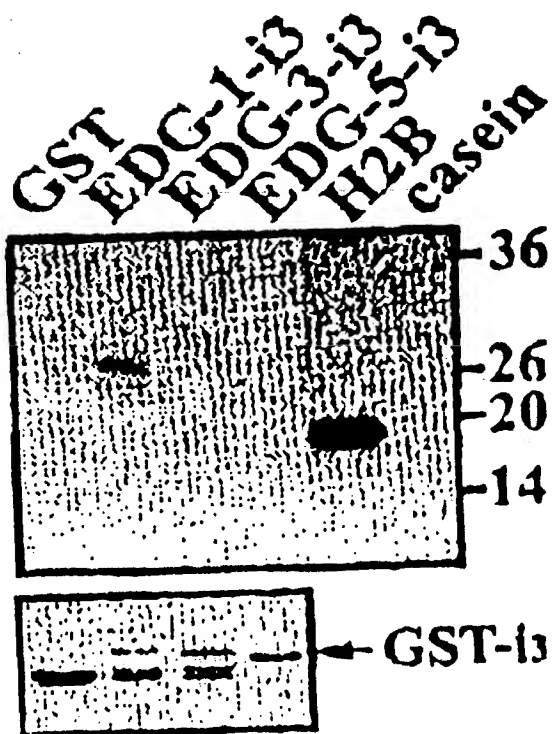


Fig  
20A

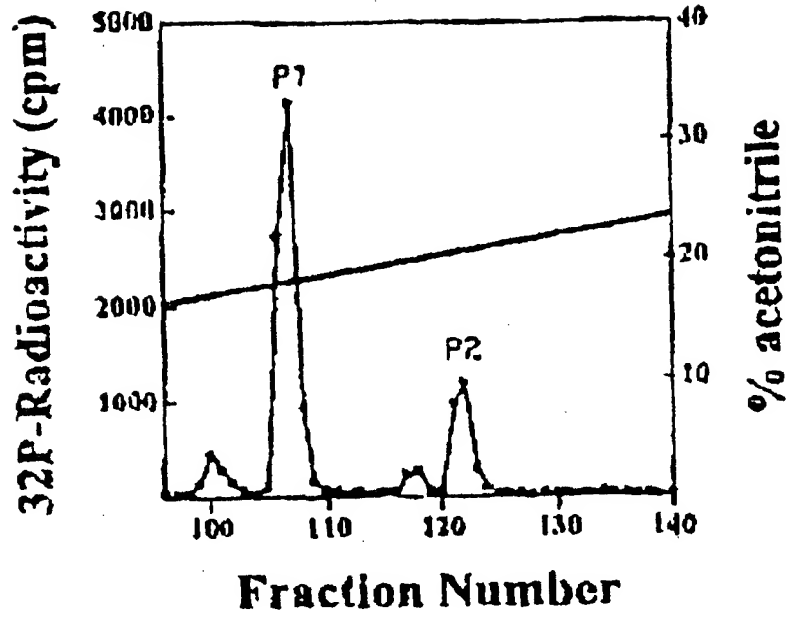


Fig.  
20 B

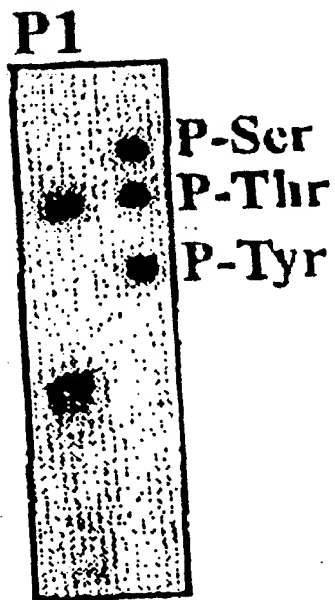


Fig 21

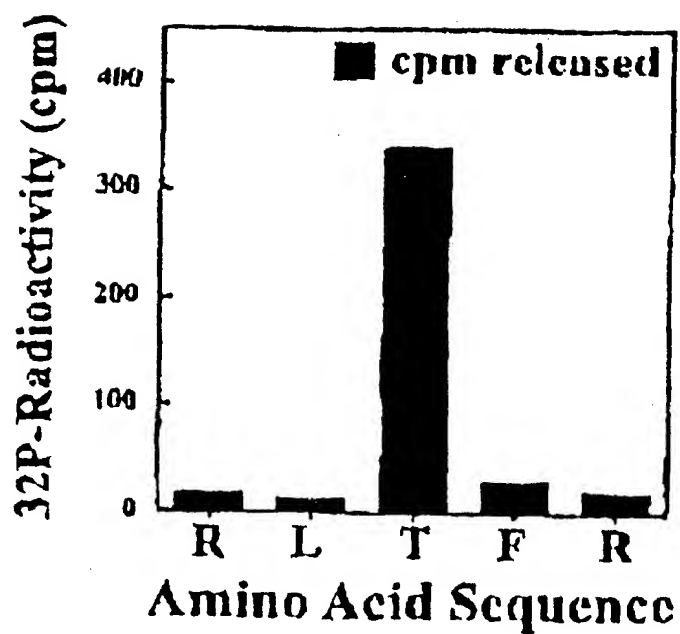


Fig. 22

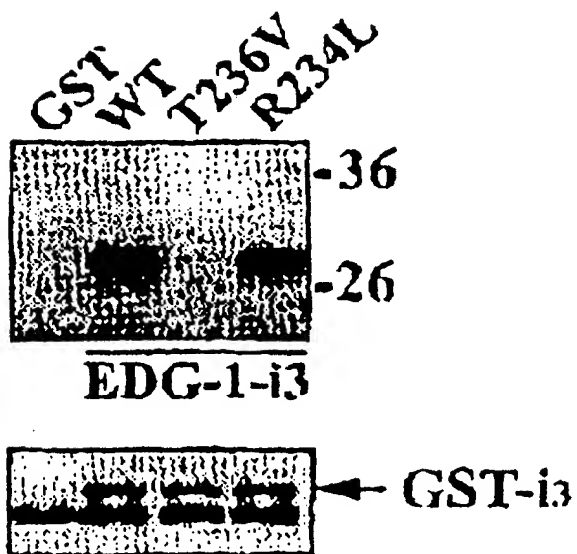


Fig 23

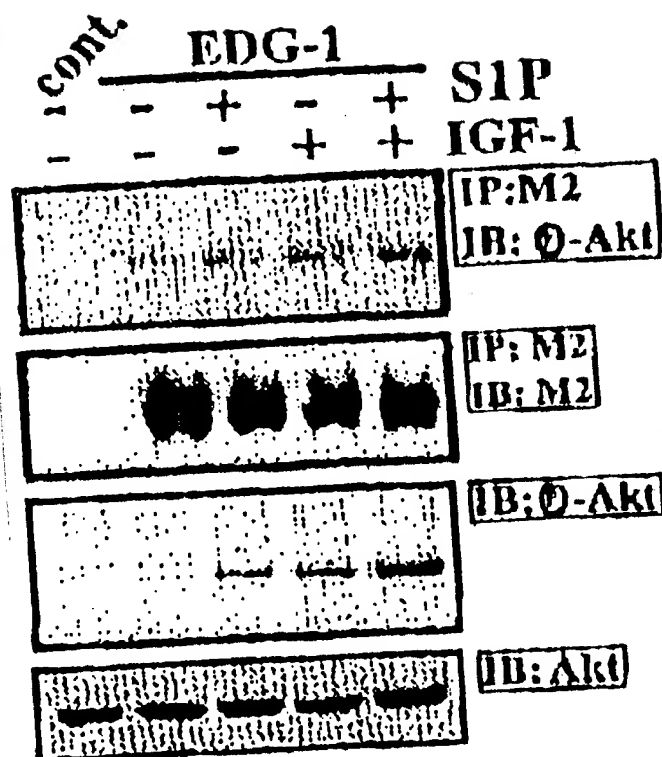


Fig 24

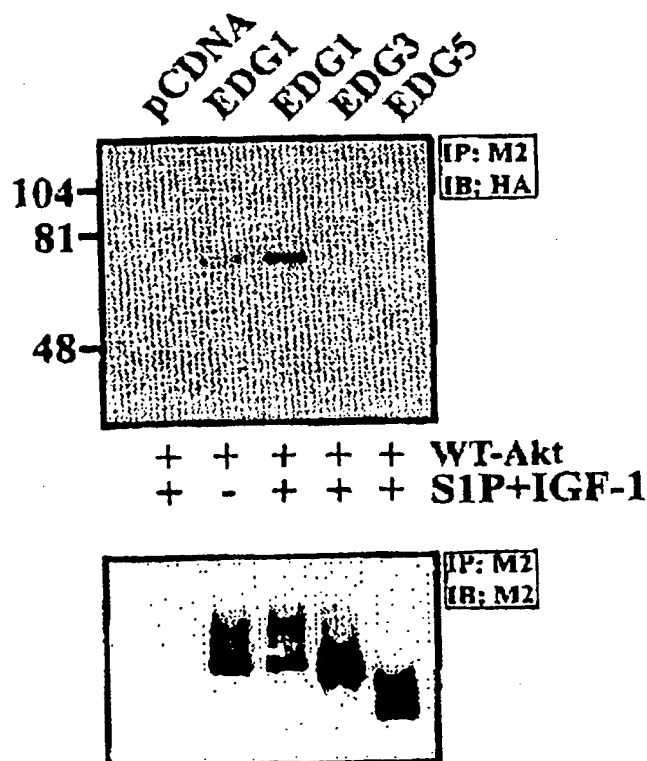


Fig 25

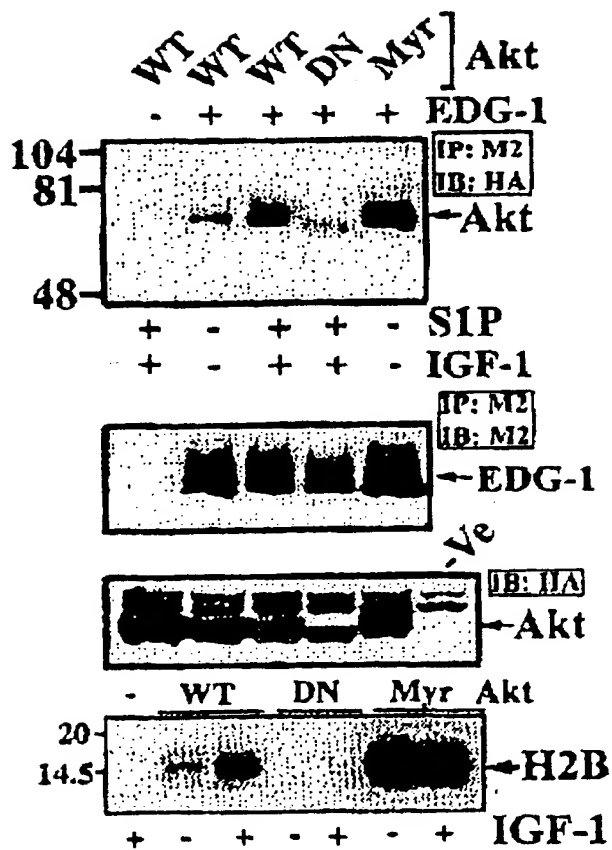


Fig 26

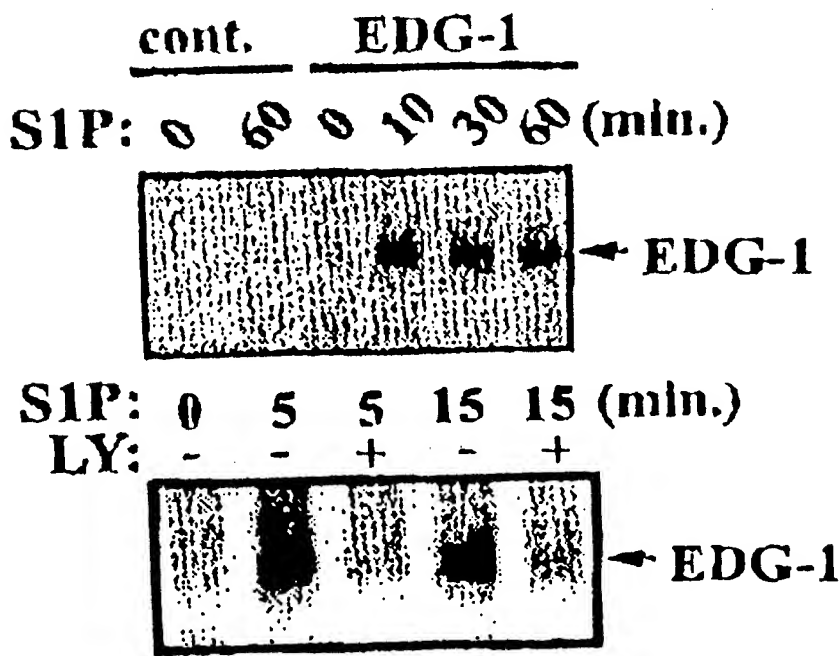
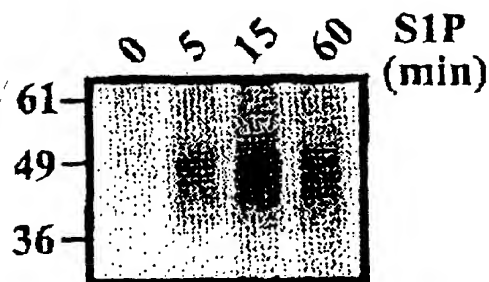




Fig 27



-	+	+	+	S1P
-	-	-	+	LY
-	-	+	-	wort



-	-	-	+	dn-Akt
-	-	+	-	wt-Akt
+	+	-	-	$\beta$ -gal
-	+	+	+	S1P

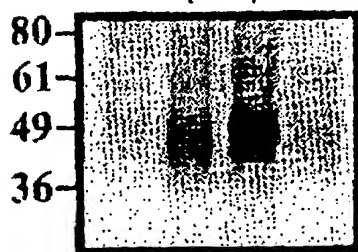


Fig 28

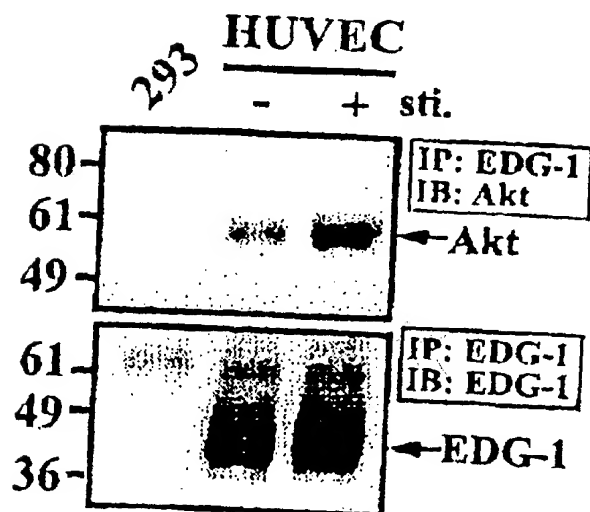


Fig 29

cont.		Akt <sup>DN</sup>		
-	+	-	+	SPP
				← p-GSK
				← p-P90 <sup>RSK</sup>
				← p-P70 <sup>S6K</sup>
				← p-ERK-1 ← p-ERK-2
				← actin
				← HA-Akt <sup>DN</sup>

Fig 30

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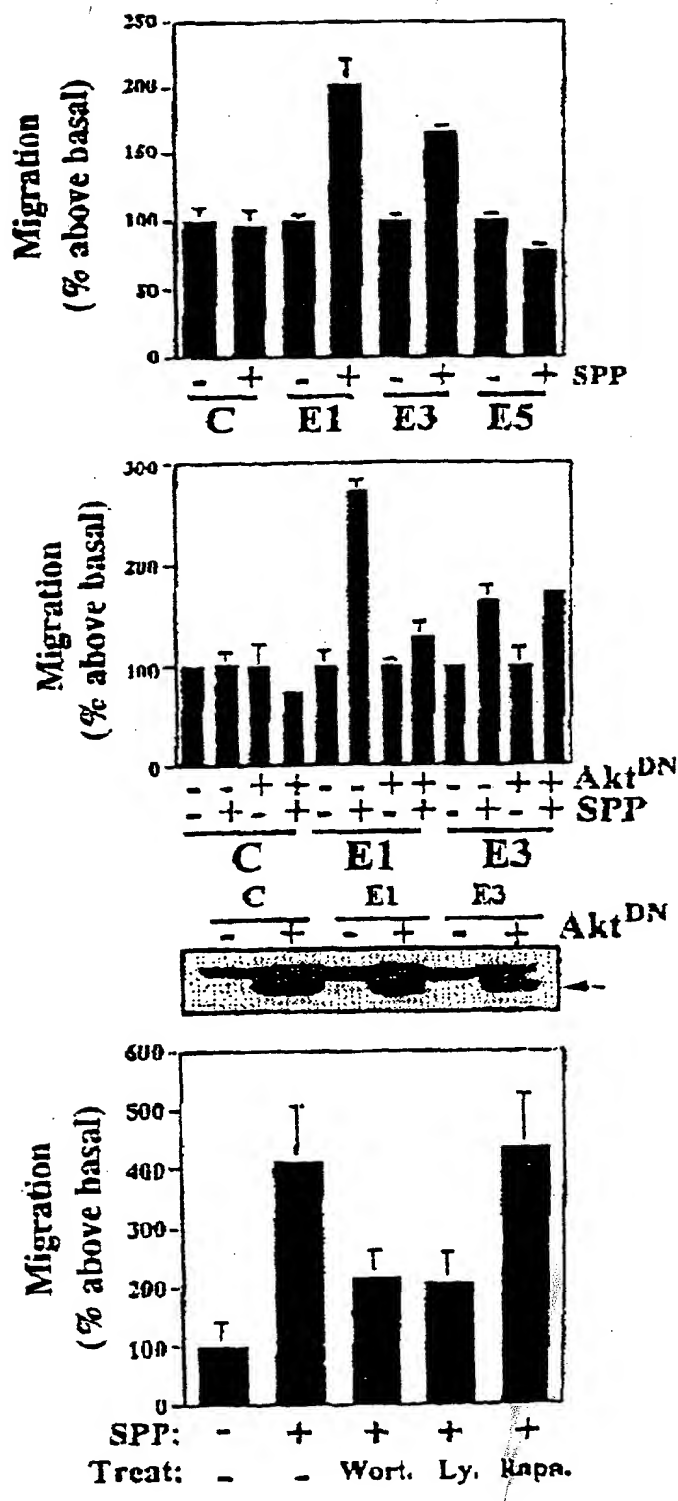


Fig 31

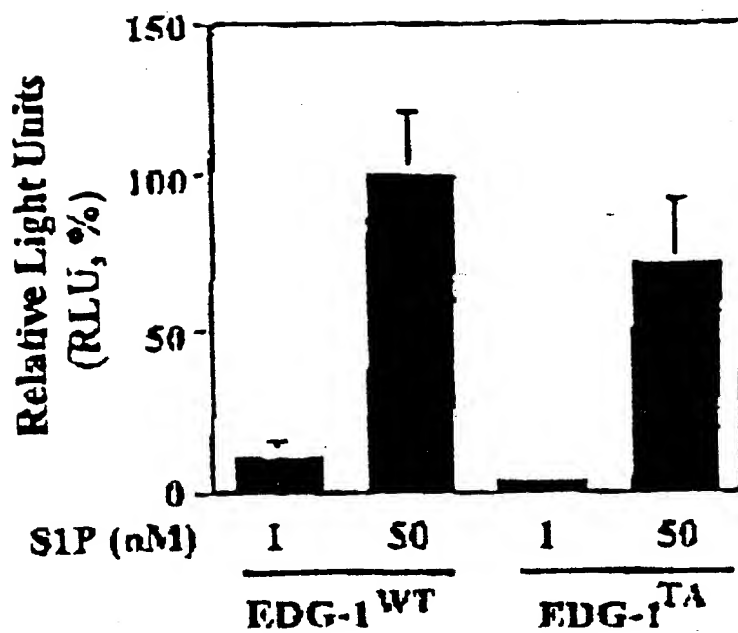


Fig 32

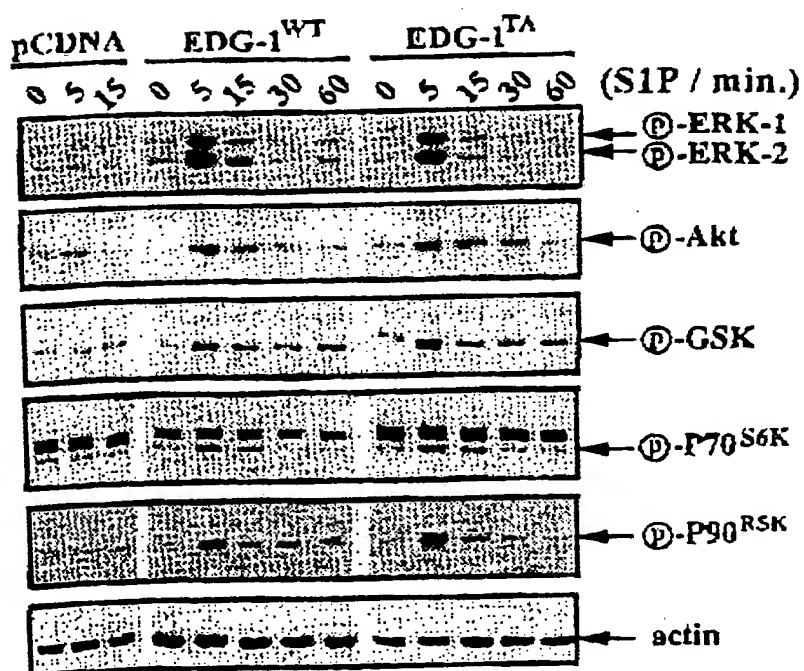


Fig 33

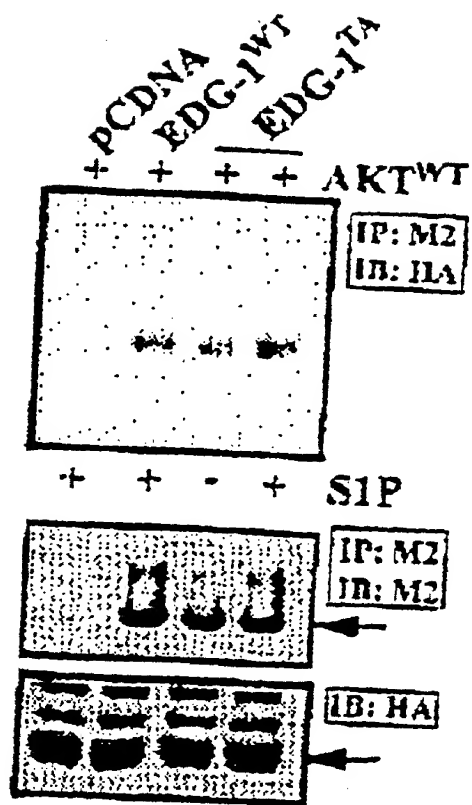


Fig 34

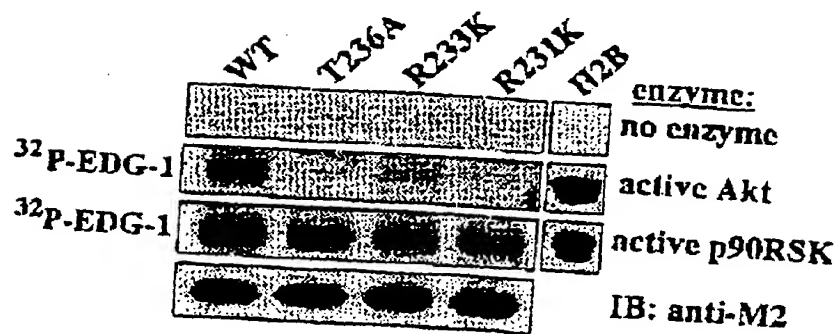


Fig 35

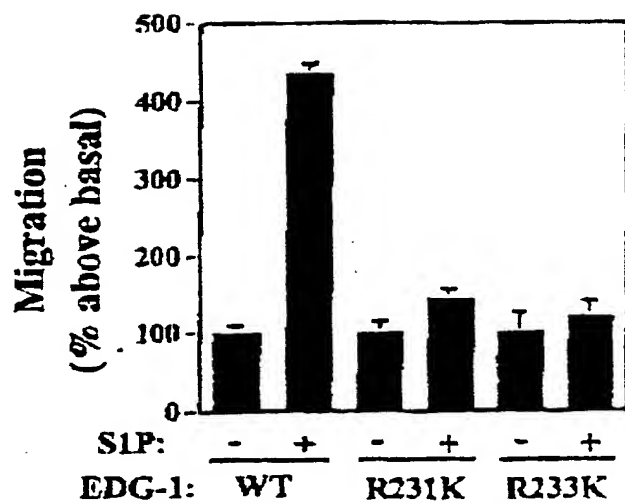


Fig 36 A

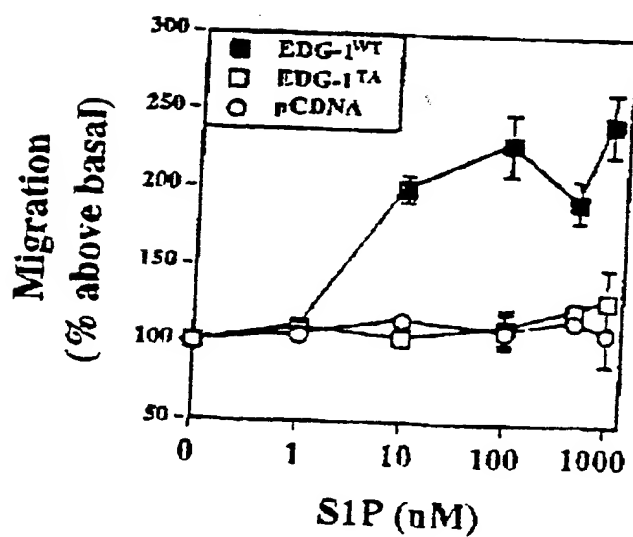


Fig 36 B

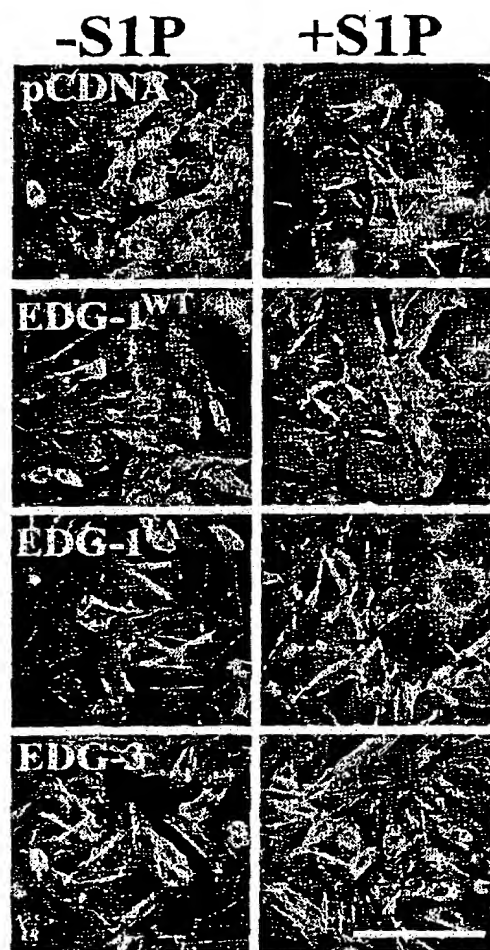
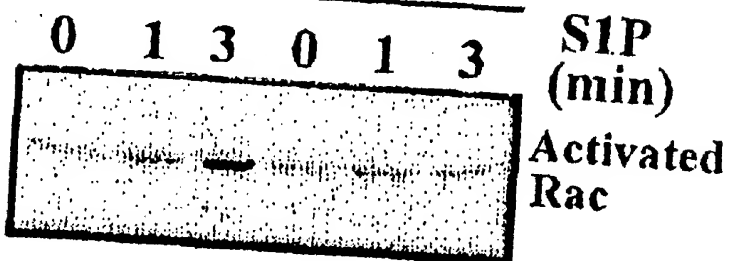


Fig 37



EDG-1<sup>WT</sup>      EDG-1<sup>TA</sup>



1.0   1.8   3.7   1.0   1.2   0.9   (fold)

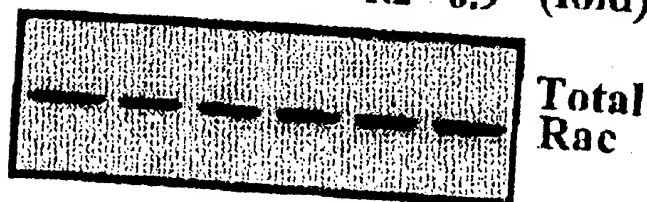


Fig 38 A

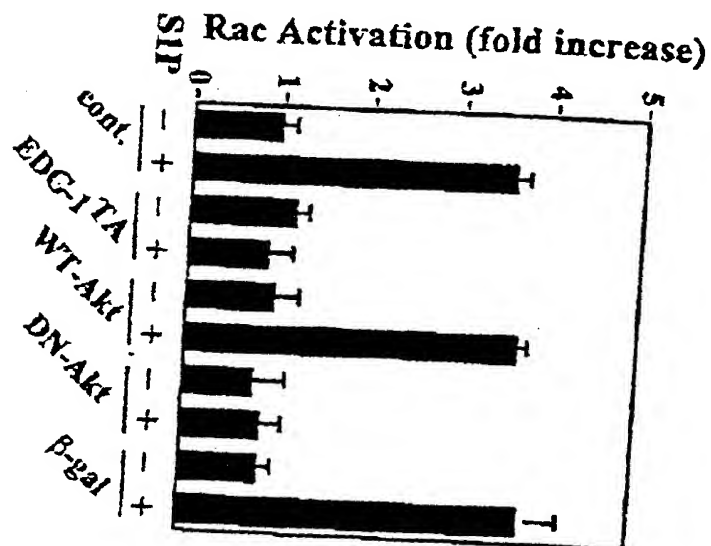


Fig 38 B

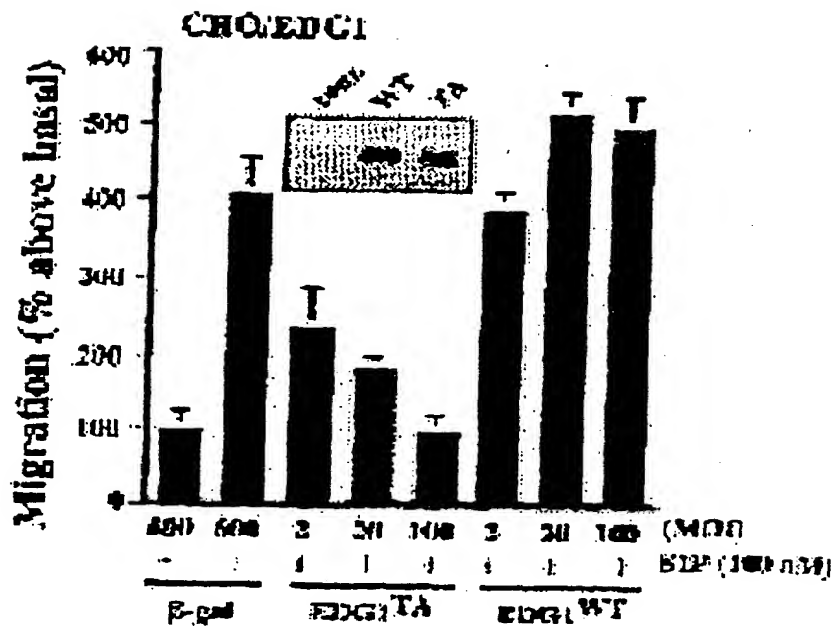


Fig 39 A

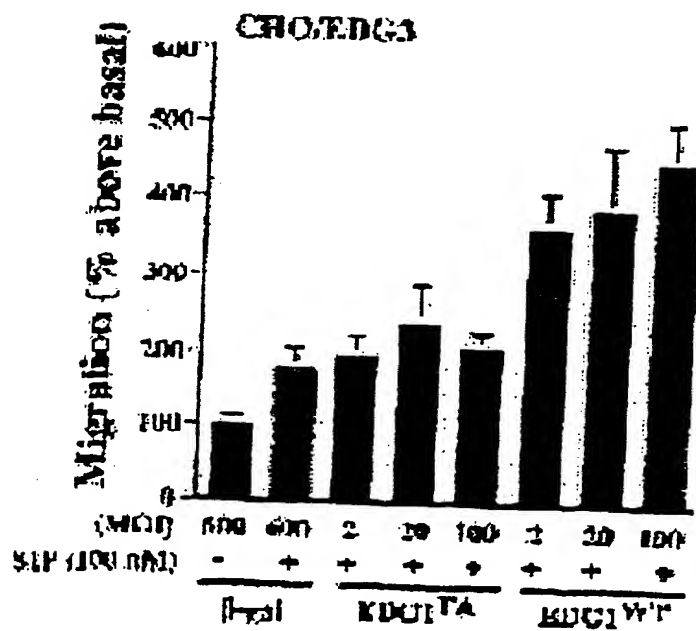


Fig 39 B

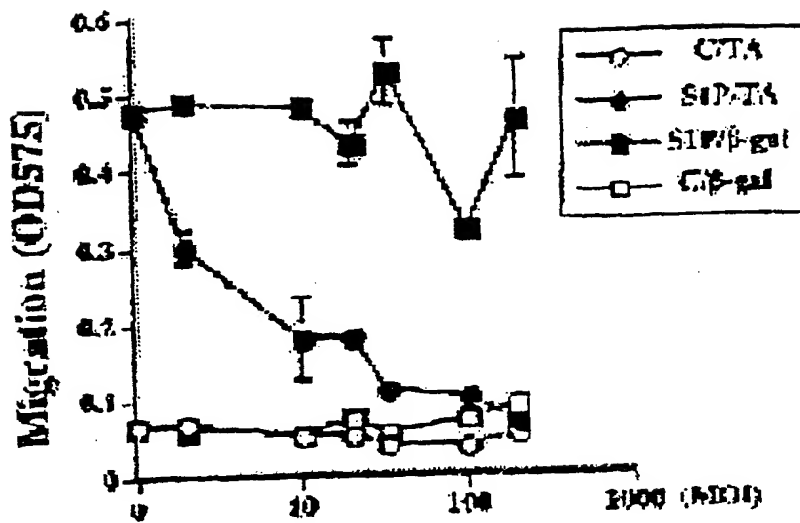


Fig 40

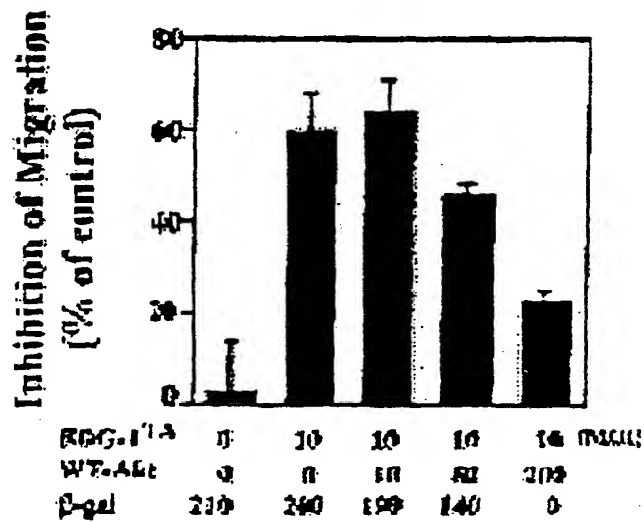


Fig 41

00045330 00101  
TOTERO CEE51060

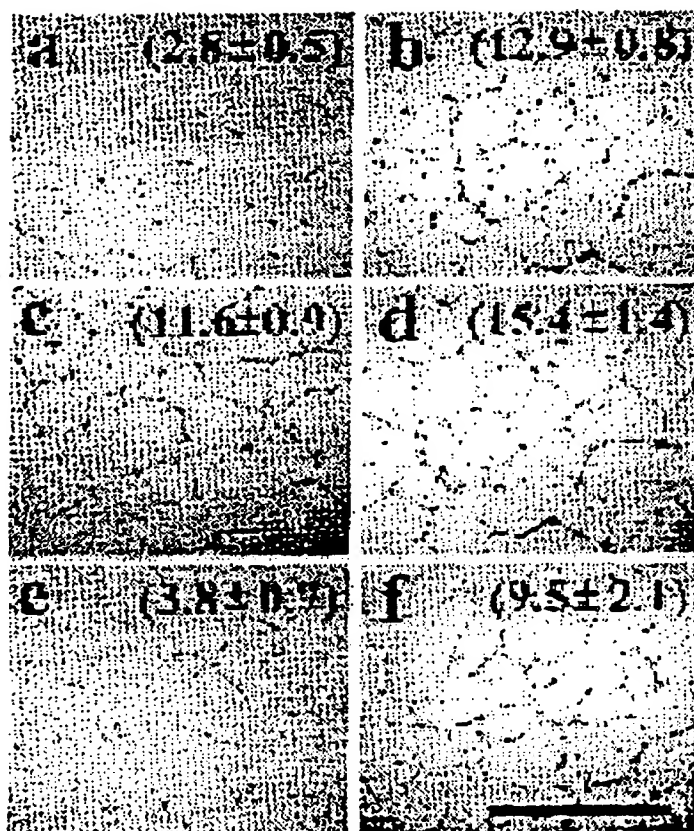


Fig 42

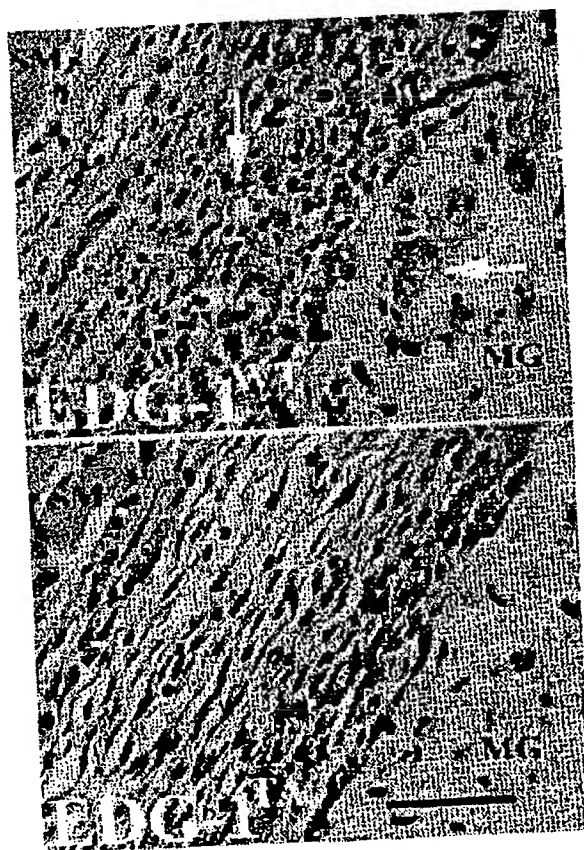


Fig 43